

FIG. 1

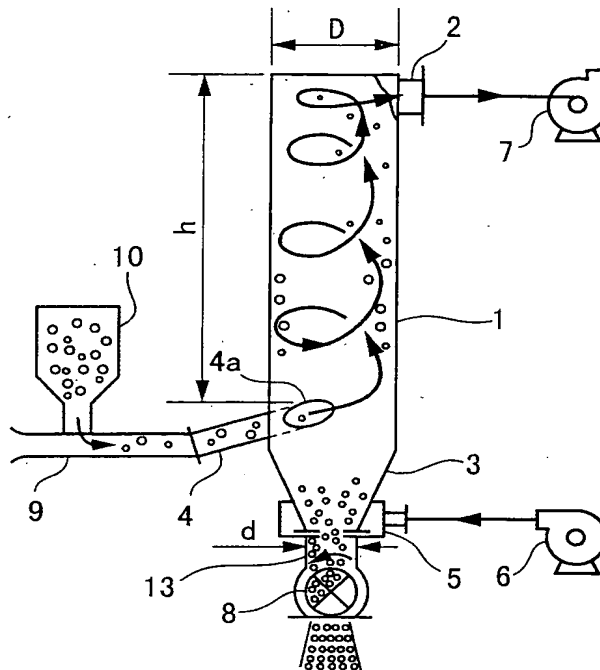


FIG. 2

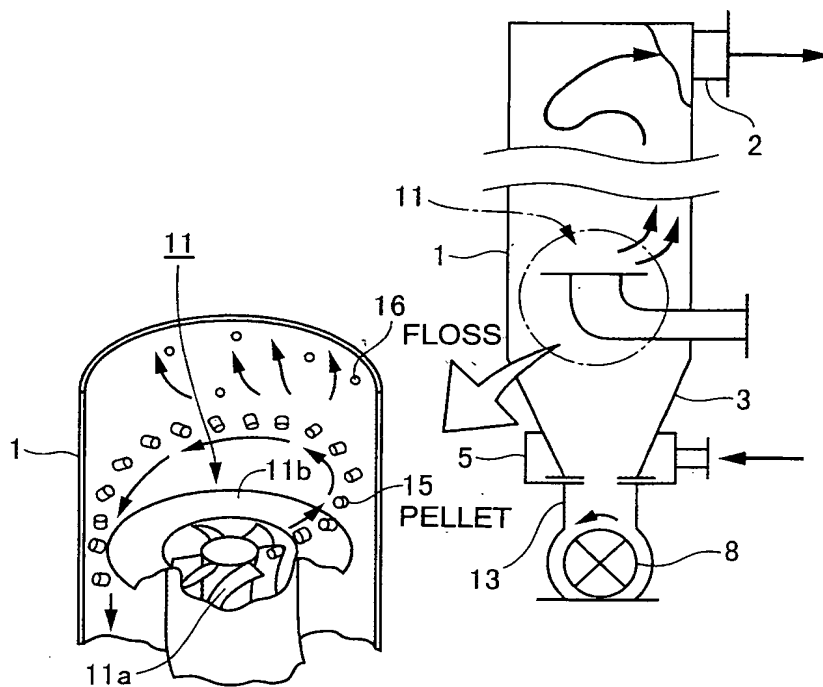


FIG. 3

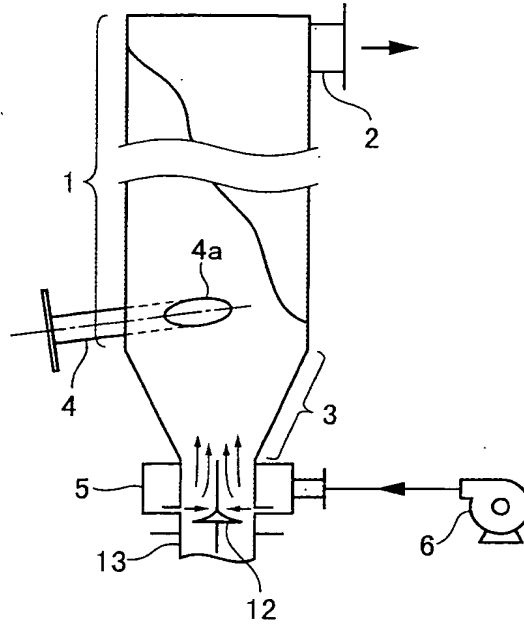


FIG. 4

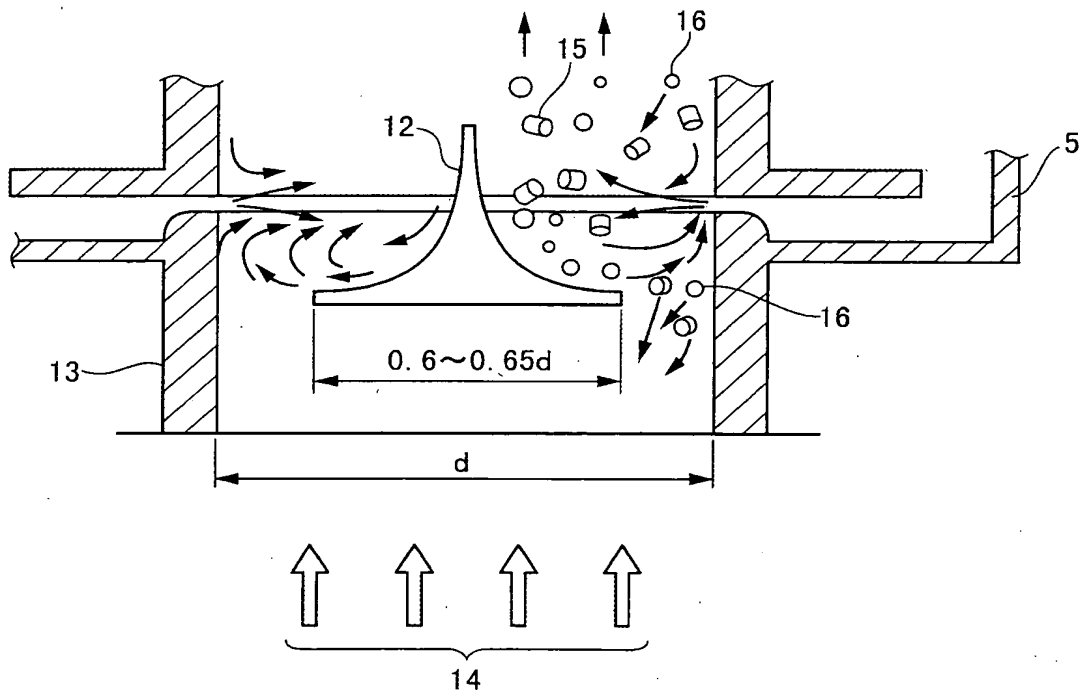


FIG. 5

DEVICE	A		B		D		E	
PELLET THROUGHPUT	COLLECTED AMOUNT (g)	EFFICIENCY (%)	COLLECTED AMOUNT (g)	EFFICIENCY (%)	COLLECTED AMOUNT (g)	EFFICIENCY (%)	COLLECTED AMOUNT (g)	EFFICIENCY (%)
0.42t/h	36	72	47.5	95	50	100	39	78
0.6t/h	31	62	47.75	95.5	50	100	36	72
1.2t/h	27	54	47	94	50	100	26	52
2.2t/h	25	50	46.7	93.4	50	100	—	—
2.7t/h	23	46	47.5	95	50	100	—	—
3.0t/h	22	44	47	94	50	100	—	—

FIG. 6

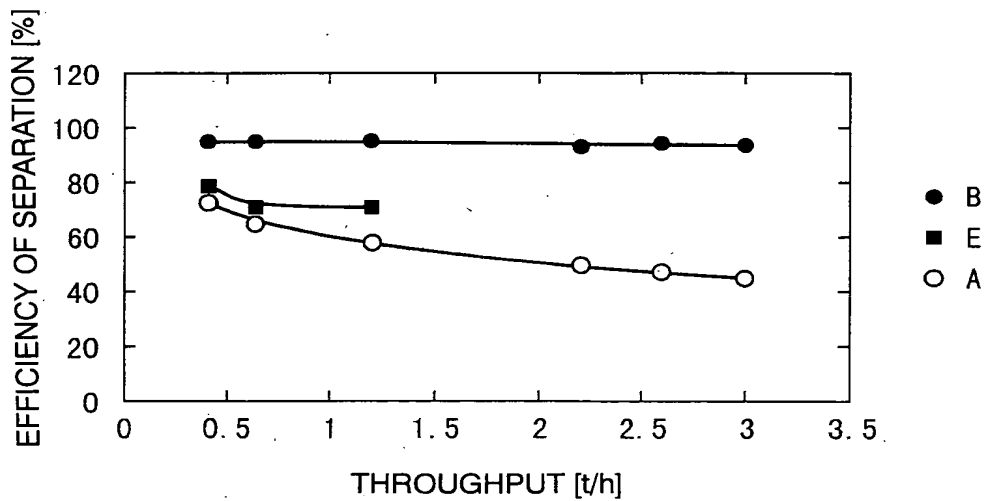


FIG. 7

RATE OF SEPARATION OF RIBBONS

AMOUNT OF AIR (Q)	SOLID-AIR RATIO (M)	FIRST TIME (g)	SECOND TIME (g)	A. V (g)	RATE OF SEPARATION (%)
6m ³ /min	5.1	—	—	—	—
7m ³ /min	4.4	45	43	44	88%
8m ³ /min	3.9	46	45	45.5	91%
9m ³ /min	3.4	47	46	46.5	93%
10m ³ /min	3	48	47	47.5	95%
11m ³ /min	2.8	48	47	47.5	95%

FIG. 8

FLYING OF PELLETS

AMOUNT OF AIR (Q)	SOLID-AIR RATIO (M)	FIRST TIME (g)	SECOND TIME (g)	A. V (g)	FLY RATE (%)
6m ³ /min	5.1	—	—	—	—
7m ³ /min	4.4	8	6	7	0.07%
8m ³ /min	3.9	12	9	10.5	0.11%
9m ³ /min	3.4	21	15	18	0.18%
10m ³ /min	3	22	25	23.5	0.24%
11m ³ /min	2.8	28	25	26.5	0.27%

FIG. 9

EFFICIENCY OF SEPARATION OF RIBBONS [%]

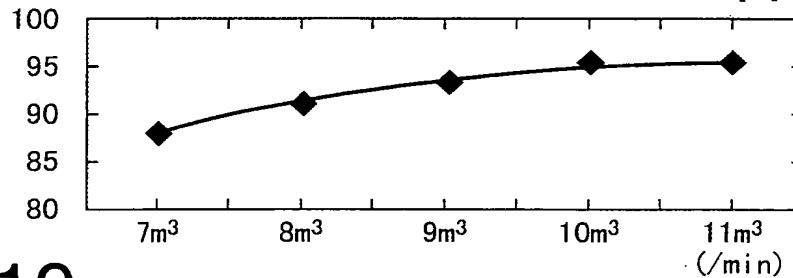


FIG. 10

FLY RATE [%]

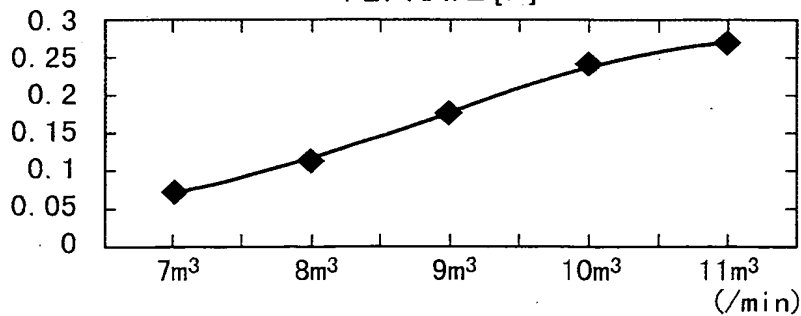


FIG. 11

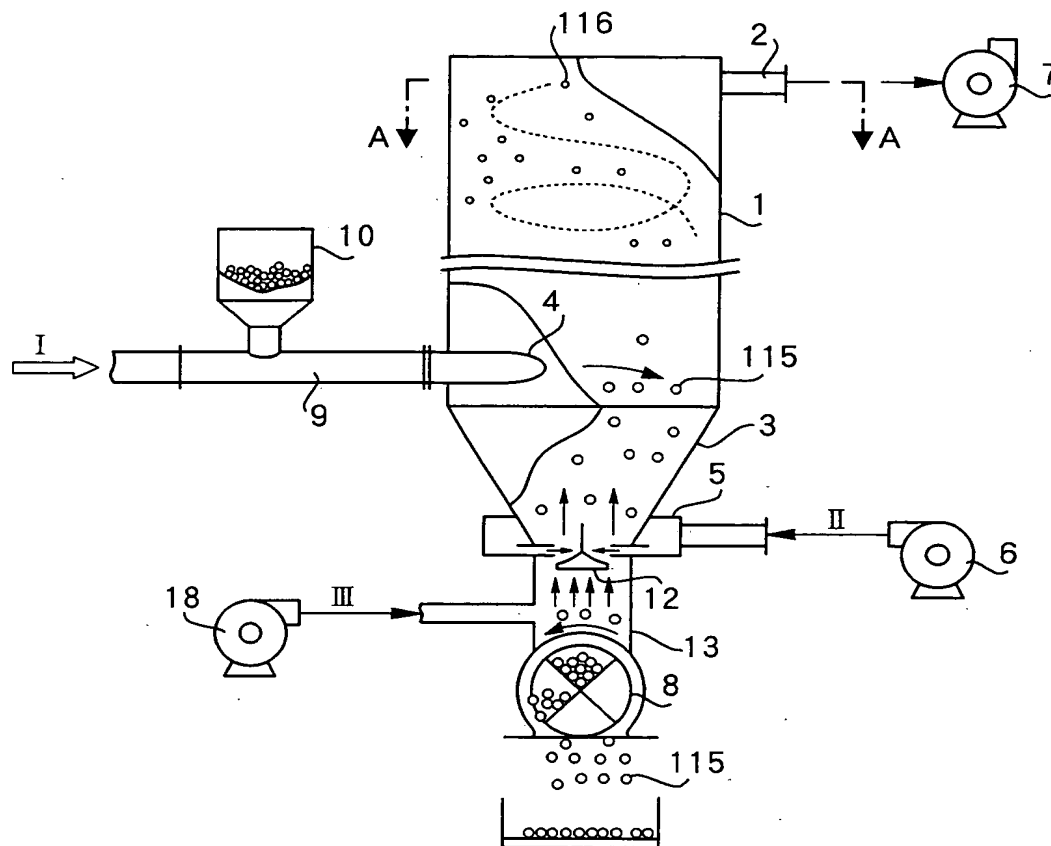


FIG. 12

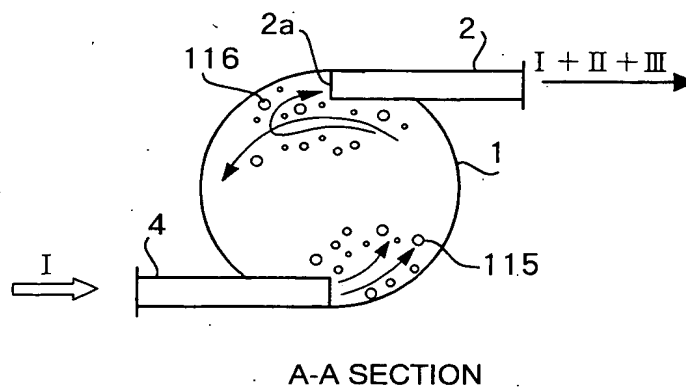


FIG. 13

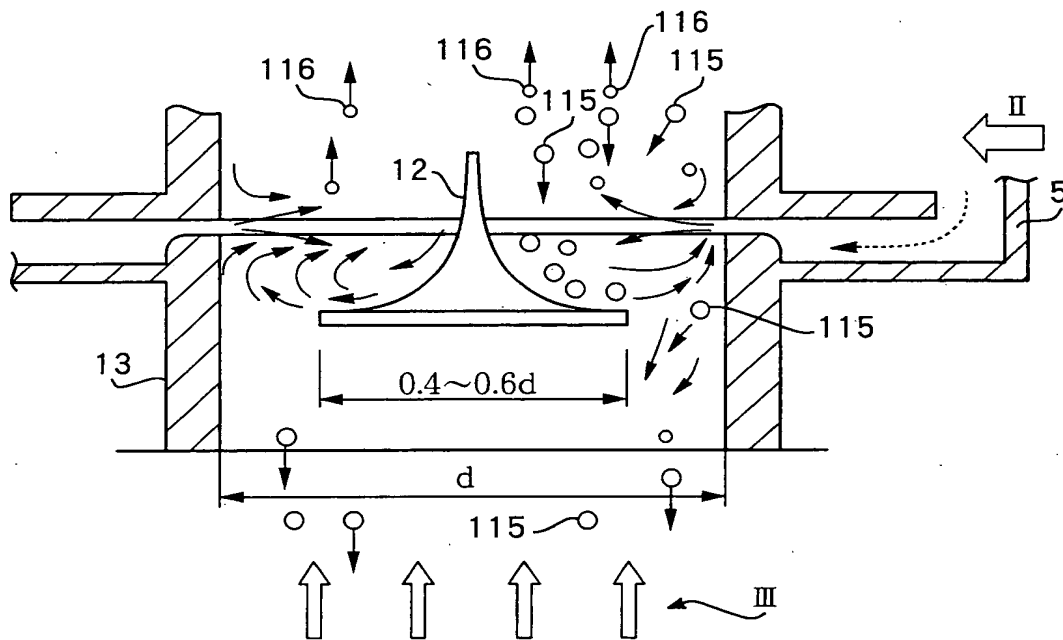


FIG. 14

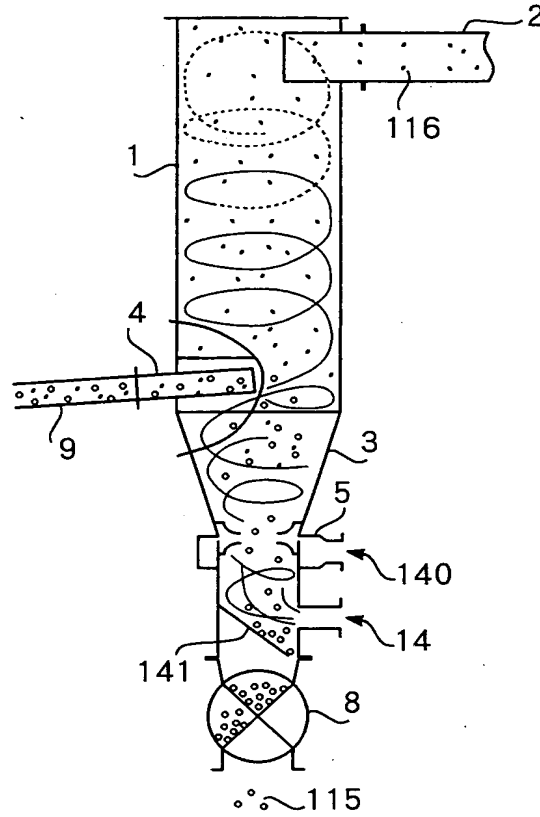


FIG. 15

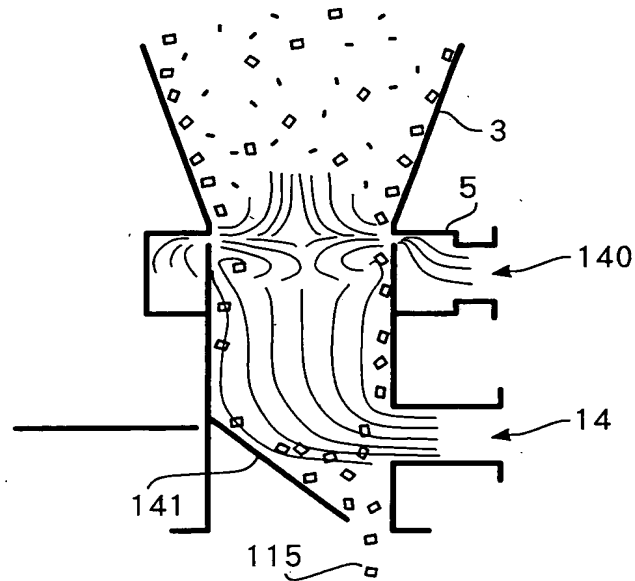


FIG. 16

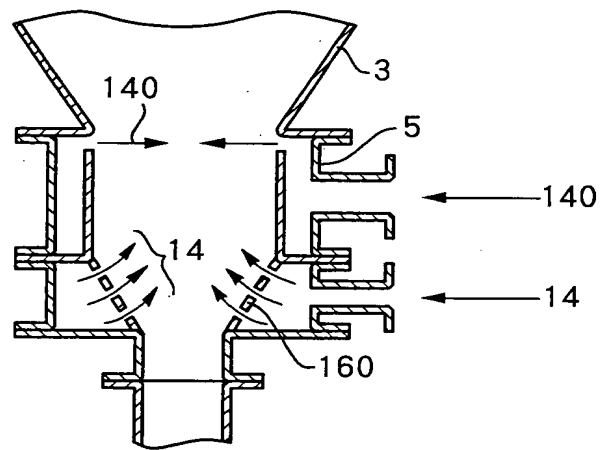


FIG. 17

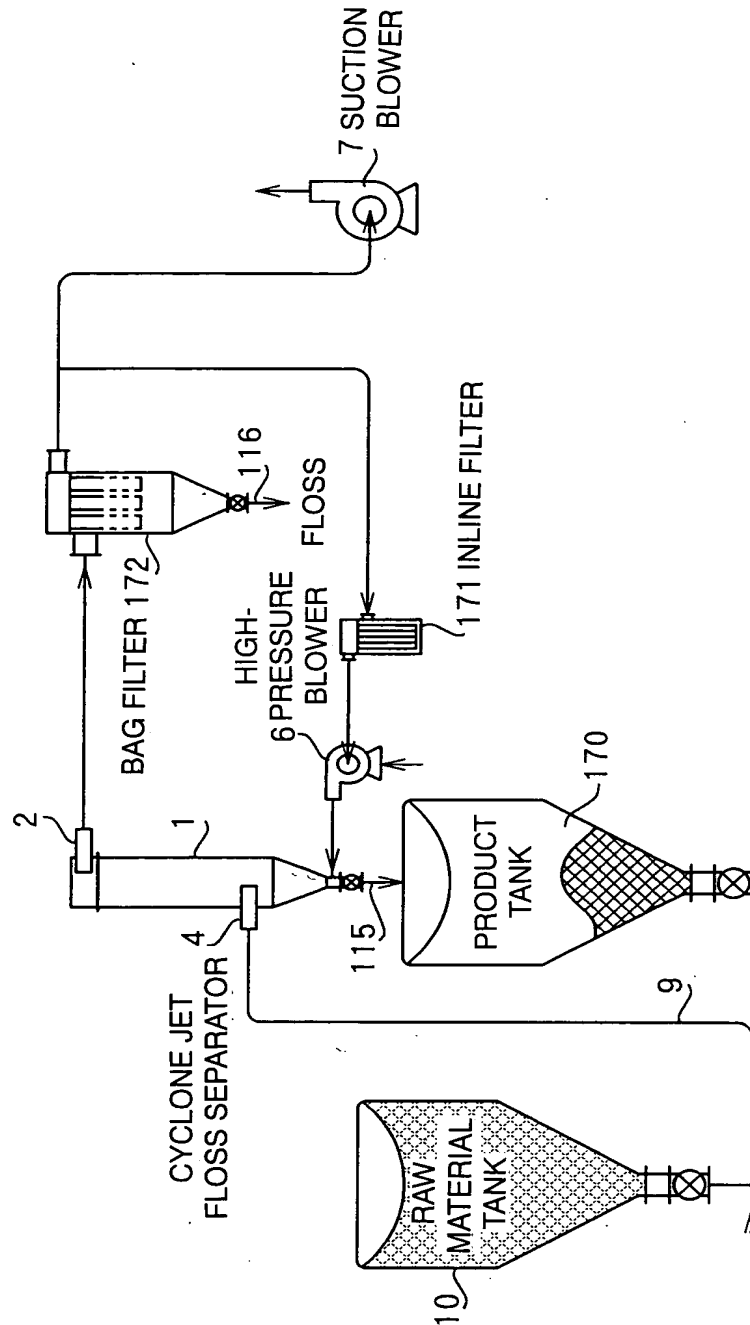


FIG. 18

CAPACITY AND DATA

TYPE	D	D1	D2	D3	H (mm)	Q1 (m ³ /min)	Q2 (kg/n)	THROUGHPUT (kg/n)
		EN- TRANCE	EXHAUST AIR	DIS- CHARGE				
CFS - 100	90A	20A	32A	40A	500	1.1	0.4	50~100
CFS - 150	150A	32A	50A	65A	700	2.6	1.0	250~500
CFS - 200	200A	40A	65A	90A	940	4.4	1.7	500~1000
CFS - 250	250A	50A	80A	100A	1110	6.6	2.6	700~1400
CFS - 300	300A	65A	100A	125A	1400	10	4	1150~2300
CFS - 350	350 φ	65A	130 φ	150A	1580	12	4.8	1300~2600
CFS - 400	400 φ	80A	125A	150A	1730	16	6.4	1600~3200
CFS - 450	450 φ	90A	150A	200A	2000	20	8.0	2400~4800
CFS - 500	500 φ	100A	180 φ	200A	2200	25	10	3000~6000
CFS - 600	600 φ	125A	200A	230 φ	2650	36	14	4300~8600
CFS - 700	700 φ	125A	225A	270 φ	3100	49	20	5.5t~11t/h
CFS - 800	800 φ	150A	280 φ	310 φ	3500	64	25	7.5t~15t/h
CFS - 900	900 φ	175A	300A	350 φ	4000	81	32	9.5t~19t/h
CFS - 1000	1000 φ	200A	350A	390 φ	4400	100	40	11t~22t/h
CFS - 1100	1100 φ	200A	380 φ	430 φ	4800	121	48	14t~28t/h
CFS - 1200	1200 φ	225A	420 φ	470 φ	5300	144	57	17t~34t/h

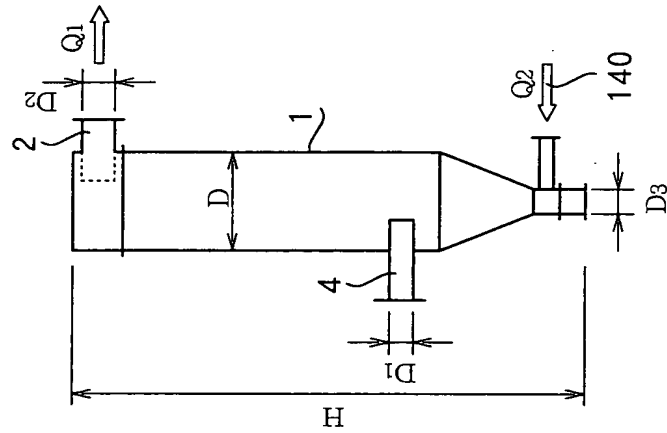


FIG. 19

RATE OF RIBBON REMOVAL

FS-300 TYPE

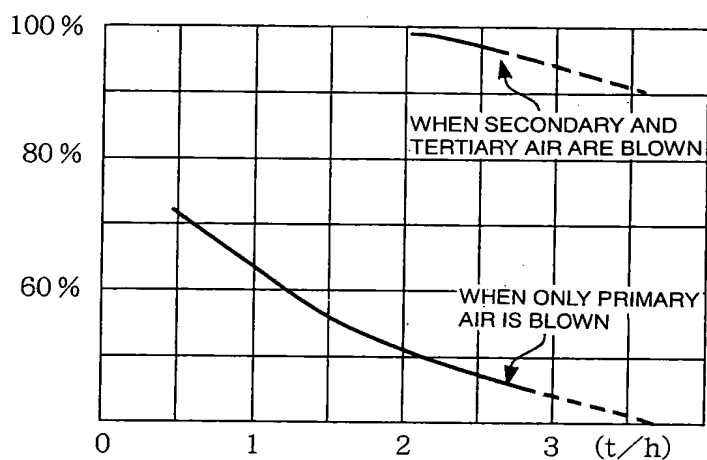


FIG. 20

FS-500 TYPE

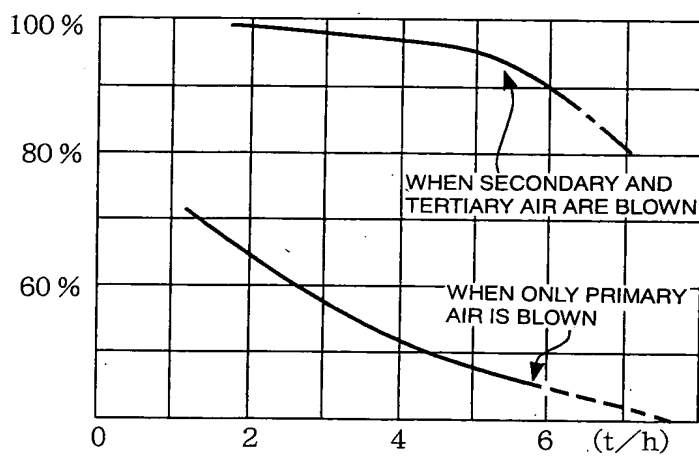
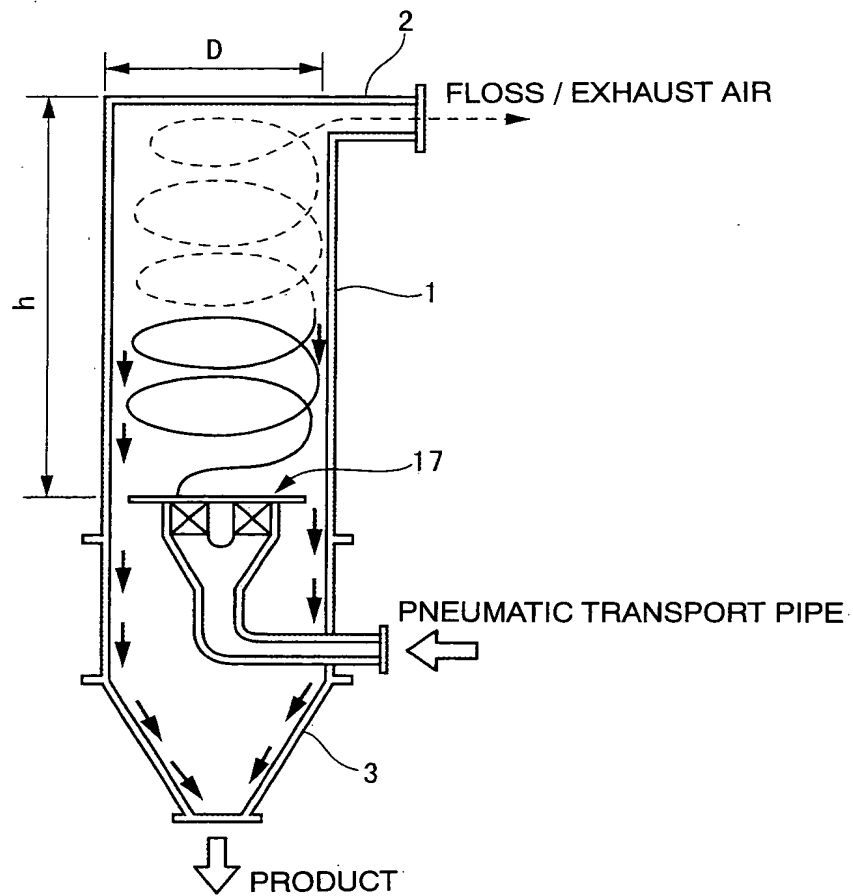


FIG. 21



(PRIOR ART)